



MODEL
XA3021

User's guide



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Caution: To prevent the risk of electric shock, do not remove cover (or back). No user- serviceable parts inside. Refer servicing to qualified service personnel.

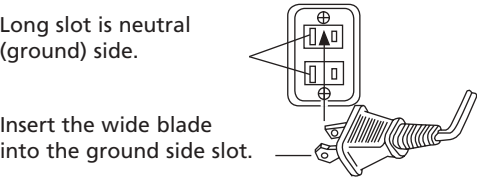


The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

SAFETY INSTRUCTIONS

CAUTION
To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



READ INSTRUCTIONS — All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS — The operating instructions should be retained for future reference.

HEED WARNING — All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

WATER AND MOISTURE — The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

OUTDOOR USE — Warning: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

LOCATION — The appliance should be installed in a stable location.

VENTILATION — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as a closed bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

GROUNDING OR POLARIZATION — The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.

CLEANING — The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzene, insecticides or other volatile liquids since they may corrode the cabinet.

NON-USE PERIODS — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

LIGHTNING STORMS - Unplug the appliance during lightning storms.

OBJECT AND LIQUID ENTRY — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

ACCESSORIES - Only use attachments/accessories specified by the mfg.

DAMAGE REQUIRING SERVICE — The appliance should be serviced by qualified service personnel when:

- The power-supply cord or the plug has been damaged.
- Objects have fallen, or liquid has been spilled into the appliance.
- The appliance has been exposed to rain.
- The appliance does not appear to operate normally or exhibits a marked change in performance.
- The appliance has been dropped or the enclosure damaged.

Servicing — The user should not attempt to service the appliance. Servicing should be referred to qualified service personnel or returned to the dealer or call the Altec Lansing service line for assistance.

ONE YEAR LIMITED WARRANTY

Altec Lansing Technologies, Inc. warrants to the end user that all of its PC audio, TV or gaming speaker systems are free from defects in material and workmanship in the course of normal and reasonable use for a term of one year from the date of purchase.

This warranty is the exclusive and only warranty in effect relative to Altec Lansing PC audio, TV or gaming speaker systems and any other warranties, either expressed or implied, are invalid. Neither Altec Lansing Technologies, Inc. nor any authorized Altec Lansing Technologies, Inc. reseller is responsible for any incidental damages incurred in the use of the speakers. (This limitation of incidental or consequential damage is not applicable where prohibited.)

Altec Lansing Technologies, Inc.’s obligation under this warranty does not apply to any defect, malfunction or failure as a result of misuse, abuse, improper installation, use with faulty or improper equipment or the use of the speaker systems with any equipment for which they were not intended.

The terms of this warranty apply only to PC audio, TV or gaming speaker systems when such speakers are returned to the respective authorized Altec Lansing Technologies, Inc. reseller where they were purchased.

Under the terms of this warranty, the original consumer purchaser has certain legal rights and may have other rights, which vary worldwide.

XA3021 VIDEO GAMING & TV AUDIO SPEAKER SYSTEM

WELCOME

Welcome to the extraordinary world of Altec Lansing high-fidelity sound. The XA3021 is a 2.1 analog system that blows away the lame speakers inside your TV. Plus, with a bass EQ mode selector, you'll feel the rumble of your favorite games and movies.

Great television sound isn't all you'll experience with the XA3021 system. With 40 watts of total system power, it delivers thrilling performance from video gaming systems, DVD players, MP3 players, CD players and other audio sources.

BOX CONTENTS

- 2 Satellites
- Subwoofer
- Wired Controller
- 3-Meter Stereo Audio RCA Cable, Male to Male
- 3-Meter Composite Video RCA Extender Cable, Female to Male
- AC Power Adapter
- Manual
- Quick Connect Card (QCC)

PLACING SPEAKERS

SUBWOOFER

All stereo information is heard through the satellite speakers. Because low frequency sound is non-directional, you can place the subwoofer anywhere you choose. However, placing the subwoofer on the floor close to a wall or in a corner provides better bass efficiency and optimum sound.

Warning: The subwoofer is not magnetically shielded. Therefore, it SHOULD always be placed at least 2 feet (0.6m) from TVs, computer monitors, computer hard drives or any other magnetic media (e.g. floppy disks, Zip disks, VHS or cassette tapes, etc.).

SATELLITE SPEAKERS

Arrange the satellites to suit your listening tastes—from directly next to the TV to as far apart as the speaker cords allow.

Note: The satellite speakers ARE magnetically shielded and can be placed close to video displays such as TVs and computer monitors without distorting the image.

MAKING CONNECTIONS

WARNING: Do not insert the speaker system's power adapter plug into an AC outlet until all connections are made. Also, turn off your audio source (i.e., TV, video gaming system, DVD player or VCR) before connecting its outputs to the XA3021's inputs.

To ensure first-time operation as expected, please carefully follow the connection sequence described below.

SATELLITE SPEAKERS

To set-up the XA3021 system, plug the right satellite's orange connector into the "RIGHT" output on the rear of the subwoofer and the left satellite's brown connector into the "LEFT" output on the rear of the subwoofer.

WIRED CONTROLLER

Connect the grey-colored DIN connector from the wired controller into the grey "CONTROLLER" jack on the rear of the subwoofer.

For easy insertion of the DIN connector, the arrow on the connector must face up.

PRIMARY INPUTS

The primary input jacks are located on the subwoofer. Using the supplied RCA cable, connect any audio source that has red (right) and white (left) RCA output jacks to the XA3021's red (right) and white (left) RCA input jacks.

In some setup configurations, you may use the supplied composite video (yellow) RCA extender cable to allow increased separation between the TV and subwoofer.

Note: For the clearest sound, try muting your TV's speakers when using the TV as an audio source.


AUXILIARY INPUT

This auxiliary or secondary input is located on the subwoofer. Connect any audio source that has a stereo 3.5mm plug (i.e. headphone style jack), including portable CD or MP3 players.

Caution: Make sure the audio source features a line-out jack. This will ensure that the output is not amplified. Check the owner's manual for your audio device for more information.

Note: You may need a cable that has RCA plugs on one end and a 3.5 mm stereo male plug on the other or 3.5 mm stereo plugs on both ends. This plug may be purchased at most electronics stores.

HEADPHONES

To use headphones with the system, plug them into one of the labeled jacks  on the end of the wired controller. When headphones are connected, both satellites and the subwoofer are muted.

POWERING ON

NOTE: You must first remove the protective plastic sleeves on both ends of the power adapter before you plug in the system.

1. After all other connections are made, plug the power adapter into the back of the subwoofer and into an AC wall socket.
NOTE: To ensure a secure connection, the power adapter uses a locking connector. To unlock the power adapter, don't simply pull on the cable. Gently pull back the connector sleeve until it releases.
2. Turn on the audio source (TV, video gaming system, DVD player or VCR).
3. Turn on the Altec Lansing XA3021 speaker system by pressing the power button on the wired controller (see below.) A green EQ LED on the wired controller will illuminate.

Note: To avoid hearing a popping sound when you turn on your Altec Lansing speaker system, always turn on your audio source first.

USING THE WIRED CONTROLLER

For your convenience, the wired controller lets you power the system on or off, control the volume and adjust bass equalization (EQ) (TV, Gaming or Max-Bass).

POWER

Press the "Power" button on the wired controller to turn on the speaker system. A green EQ LED on the wired controller will illuminate, indicating power is on. Push the "Power" button again to turn off the system.

EQ MODE

Press the "EQ Mode" selector button to cycle through the three modes of bass equalization: TV, Gaming and Max-Bass.

TV: This setting provides normal bass response that you would expect from standard TV programming.

Gaming: The Gaming setting boosts the bass level to highlight the low frequency sounds of video gaming.

Max-Bass: Just as the name implies, Max-Bass supplies even more bass for the most intense gaming experience.

MASTER CONTROL

The knob on the wired controller is the master volume control for the speaker system. Turn the knob clockwise to increase the volume and counter-clockwise to decrease the volume.

SYSTEM SPECIFICATIONS

Total System Power:	40 Watts (20 Watts RMS)	SUBWOOFER
Frequency Response:	35 Hz - 18 kHz	Speaker Drivers: One 5.25 " long-throw woofer
Signal to Noise Ratio @ 1 kHz input:	> 76 dB	
Crossover Frequency:	150 Hz	
System THD (distortion):	< 0.2 % THD @ -10 dB full-scale input voltage	
Input Impedance:	10k ohms	
SATELLITE AMPLIFIED SPEAKERS		
Drivers (per satellite):	One 3" full-range driver	
USA/Canada/and applicable		120 V AC @ 60 Hz
Latin American countries:		
Europe/United Kingdom;		230 V AC @ 50 Hz
applicable Asian countries;		
Argentina, Chile and Uruguay:		
ETL / cETL / CE / NOM / IRAM Approved		

TROUBLESHOOTING TIPS

The answers to most setup and performance questions can be found in the Troubleshooting guide. You can also consult the FAQs in the customer support section of our Web site at www.alteclansing.com. If you still can't find the information you need, please call our customer service team for assistance before returning the speakers to your retailer under their return policy.

Customer service is available 7 days a week for your convenience. Our business hours are:

Monday to Friday: 8:00 a.m. to 12:00 midnight EST

Saturday & Sunday: 9:00 a.m. to 5:00 p.m. EST

1-800-ALTEC-88 (1-800-258-3288)

Email: csupport@alteclansing.com

For the most up-to-date information, be sure to check our Web site at www.alteclansing.com.

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Designed and engineered in the USA and manufactured in our ISO9002 / SA8000 certified factory. United States Patents 4429181 and 4625328 plus other patents pending.

TROUBLESHOOTING TIPS

Symptom	Possible Problem	Solution
Can't insert the wired controller's DIN connector into the subwoofer.	Some of the pins are bent.	Try to gently straighten the pins with tweezers or very small pliers. If this does not work, contact the Altec Lansing Consumer Support Department for further instructions.
No LEDs are lit.	Power isn't turned on.	Press the Power button on the wired controller.
	Power adapter isn't connected to the wall outlet and subwoofer.	Disconnect and then reconnect the power adapter to both the wall outlet and the subwoofer.
	Surge protector (if used) isn't powered on.	If the power adapter is plugged into a surge protector, make sure the surge protector is switched on.
	Wired controller isn't connected to the subwoofer.	Connect the wired controller to the subwoofer.
	Wall outlet not functioning.	Plug another device into the same jack on the wall outlet to ensure the outlet is working.
Controller doesn't work.	DIN connector not inserted in subwoofer jack.	Verify that the grey-colored DIN connector is firmly inserted into the DIN connector jack on the subwoofer.
		Ensure the pins are aligned between the plug and jack.
		Remember, the arrow should be facing up.
No sound from one or more speakers.	Power isn't turned on.	Verify that the subwoofer's AC power cord is plugged into both the wall outlet and subwoofer.
		Verify that the Power button has been pressed and that an EQ LED is illuminated.
	Volume is set too low.	Turn the rotary knob to the right to raise the system master volume.
		Check volume level on the video gaming system or alternate audio source device, and set at mid-level.
	Audio cable isn't connected to audio source.	Connect audio cable from the audio source. Check plug connections on both the subwoofer and audio source. Make sure these signal cables are inserted firmly into the correct jacks.
	Audio cable is connected to wrong output on audio source.	Make sure that a cable connects the output jacks on the audio source to the input jacks on the XA3021's subwoofer.
	Problem with audio source device.	Test the speakers with another audio source.
Crackling sound from speakers.	Bad connection.	Check all cables. Make sure they are connected to the "line-out" or "audio-out" jacks on your audio source device.
	Problem with your audio source device.	Test the speakers using another audio source (e.g., VCR, DVD, portable CD player, cassette player or FM radio).
Sound is distorted.	Volume level set too high.	Decrease the volume level on your XA3021's wired controller or the volume level on your audio source (if possible.)
	Sound source is distorted.	Try a different sound source like a music CD.
Radio interference.	Too close to a radio tower.	Move your speakers to see if the interference goes away. If not, you may be able to purchase a shielded stereo cable from your local electronics shop.
No sound from subwoofer.	Subwoofer volume set too low.	Adjust the bass level on the wired digital controller or subwoofer.
	Sound source has little low-frequency content.	Try a game, movie or song—anything with more prominent bass tones.
Low hum from subwoofer.	The AC in your house is at 60 cycles per second, which is within the audio frequency of the subwoofer.	Some low hum may be detected when your speaker system is powered on without an audio source playing, or when the volume is set at an extremely low level.
Loud hum from subwoofer.	Bad connection.	If you are using a surge protector with your XA3021 speaker system, disconnect and plug the power adapter directly into an AC wall outlet.
		Move your cables. Check to ensure they are making a clear connection.
	Volume on your audio source device set too high.	Disconnect your stereo cable from the audio source. If the loud hum goes away, lower the volume on the audio source.
Not enough bass from subwoofer.	Bass setting is too low.	Adjust the bass level on the wired digital controller or subwoofer.
	Bad connection.	Verify that all cables are connected properly and are making a clear connection.
Too much bass from subwoofer.	Bass setting is too high.	Decrease the bass level on the wired digital controller or subwoofer.
Distorted monitor/TV.	Subwoofer too close to monitor/TV.	Because the subwoofer IS NOT magnetically shielded, it may cause distortion if it is placed too close to your monitor/TV. Move the subwoofer so it's at least 2 feet from your monitor/TV.



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